Message

From: Peter Preuss [Preuss.PeterLNDU@usepa.onmicrosoft.com]
Sent: 2/1/2013 7:10:15 PM
To: ORD-ALL Feds and NonFeds and RSLs [ORD-ALL_Feds_and_NonFeds_and_RSLs@epa.gov]
Subject: Congratulations to the PIP3 finalists

Dear Fellow Innovators,

Last fall, we asked you to apply for our third year of the Pathfinder Innovation Projects (PIPs) and encouraged you to ask, "Wouldn't it be amazing if EPA could . . . ?"

You did not disappoint. I would like to join our distinguished external panel (listed below) in celebrating a third year of ambitious proposals. I want to thank all of the applicants for their creative research ideas.

As we move to the next stage of the selection process, 13 applicants have been asked to submit full proposals. We are very excited by the innovative potential of each of these proposals and look forward to seeing these ideas develop further. The PIP finalists are listed below, ranging across a broad array of topics, from app development to water treatment to epigenetics.

I would also like to take this occasion to celebrate all of the Innovators within ORD. During our PeerOvation Workshop last week, we heard from a group of top innovators that represent only a small percentage of the novel work you all do within your current programs. We encourage you to embrace that innovative spirit and help your colleagues by sharing ideas, suggesting improvements, and offering your support and expertise.

Congratulations to all of the PIP finalists. This was not an easy decision and we want to thank each and every applicant for putting forward their best ideas. Each year we raise the bar for proposals, and each year ORD rises to the challenge.

We look forward to providing more opportunities to get everyone involved in ORD's innovation activities in the coming year.

Sincerely,

Peter

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PIP3 Finalists:

Correcting an Exposure-Assessment Vulnerability: Failure to Evaluate Chemicals Orphaned by the Matthew Effect and the Absence of Data
Christian Daughton(PI, NERL)

Crowdsourcing for the Advancement of Life Cycle Assessment: A Tool for Eliciting, Quality Checking,

and Integrating Process Information and Risk Assessment Results for Use in Life Cycle Assessments and Related Analyses
Troy R. Hawkins (PI, NRMRL), Wesley W. Ingwersen (NRMRL), and Michael Gonzalez (NRMRL); Heidi Paulsen, OEI; Priscilla Halloran & Angie Leith, OSWER; Susan McCarthy, USDA

Ecological Mimicry for Water Infrastructure: Using Plants to Purify and Transport Water
Jay L. Garland (PI, NERL), Mallik Nadagouda (Co-PI, NRMRL)

High Throughput Cardiotoxicity Screening of Particulate Matter using Zebrafish
Aimen K. Farraj (PI, NHEERL), Stephanie Padilla (NHEERL), Mehdi S. Hazari (NHEERL), Alan Tennant (NHEERL), William LeFew (NHEERL), David DeMarini (NHEERL), Ian Gilmour (NHEERL), Rory Conolly (NHEERL), and Wayne Cascio (NHEERL), William Linak(NRMRL).

Higher Throughput Exposure Assessment: Rapid Chemical Characterization of Indoor Environments
Rocky Goldsmith (PI, NERL), Peter Egeghy (NERL), Cecilia Tan (NERL), Daniel Vallero (NERL), Rogelio Tornero-Velez (NERL), Daniel Chang (NERL), Curtis Dary (NERL), Chris Grulke(NERL), John Wambaugh (NCCT).

Next-Generation Environmental Epigenetics at EPA
Charles Wood (Co-PI, NHEERL), Brian Chorley (Co-PI, NHEERL), Susan Hester (NHEERL), Anna Fisher (NHEERL).

Open-XF: Development of an Online Collaborative for Collecting, Mining, Analyzing, and Disseminating Human Exposure Factor Data
Kristin Isaacs (PI, NERL), Rocky Goldsmith (NERL), Nicolle Tulve (NERL), Lisa Melnyk (NERL), Kent Thomas (NERL), Jackie Moya (NCEA), Linda Phillips (NCEA)

The Role of Epigenetic Changes in Human Disease: Application of Human Epigenetic and Chemical-Disease Relationship Information to Human Health Risk Assessment
Susan Euling (PI, NCEA), Holly Mortensen (Co-PI, NHEERL)

Screening for Developmental Neurotoxicants by Measuring the Function and Pharmacology of Neural Networks in Complex Cultures
Timothy J Shafer (PI, NHEERL), William R. Mundy (NHEERL)

Sustainable Regeneration of Nanoparticle Enhanced Activated Carbon in Water Treatment
Craig Patterson (NRMRL), Chris Impellitteri (NRMRL)

Towards a better understanding of the drinking water resistome
Jorge W. Santo Domingo (PI, NRMRL), Stacey Pfaller (Co-PI, NERL), Nicholas Ashbolt (Co-PI, NERL), Mark Rodgers (Co-PI, NRMRL)

Towards an RNA-based framework to assess microbial water quality
Jorge W. Santo Domingo (NRMRL), Jay Garland (NERL)

Virtual Fish and the Risk Assessment Implications of Nonmonotonic Dose Response
Rory Conolly (PI, NHEERL), Gary Ankley (NHEERL), Earl Gray (NHEERL), William LeFew (NHEERL), Christopher Eklund (NHEERL).

PIP3 Pre-Proposal External Panel

Ingrid (Indy) Burke
Director
University of Wyoming, Haub School of the Environment and Natural Resources

Thomas Burke
Associate Dean for Public Health Practice and Training
Johns Hopkins Bloomberg School of Public Health

David Dzombak
Director of the Steinbrenner Institute for Environmental Education and Research
Carnegie Mellon University

William Farland
Vice President for Research
Colorado State University

Carmen Medina
Specialist Leader
Deloitte

David Rejeski
Director, Science and Technology Innovation Program
Woodrow Wilson Center

Kenneth Stockman
Senior Managing Consultant, Public Sector Strategy& Innovation Practice
IBM

Menghang Xia
Group Leader, Cellular Toxicity & Signaling
National Institute of Health Chemical Genomics Center